

EXIT TICKET

Name _____

What is a hurricane?

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What is a hurricane?

CREATE-A-CANE!

Activity EXIT TICKET

Name _____

Names _____

What is a hurricane?

Directions: _____

- Go to the website: _____
- Follow the directions on each page. _____
- Click on the “help” button for hints.
- Complete the sentences in each section as you discover the ideal conditions for a hurricane to form.
- You must earn a total of 100 points to create your own hurricane.

Winds

1. The winds need to blow from the _____ direction at all levels.
2. The upper-, mid-, and low-level winds need to be _____ or _____.

Latitude Range

3. Hurricanes cannot form in areas too close or too far from the equator. The latitude range is between _____° N and _____° N.

Atmospheric Layers

4. The upper layer of the atmosphere can be dry or moist. The middle and lower layers of the atmosphere must be _____.

Sea Temperature

5. The sea temperature must be above 80° F or _____° C

STAGES OF A HURRICANE

Baggie Pieces

up to 22 miles per hour	tropical disturbance	A small thunderstorm forms over very warm ocean waters.
23 to 38 miles per hour	tropical depression	The storm pulls more ocean water up into it. More rain falls and winds become stronger. The storm begins to spin around a calm center.

39 to 73 miles per hour	tropical storm	A tropical depression may grow into this type of storm.
74 miles per hour or more	hurricane	A tropical storm may grow into this type of storm.

STAGES OF A HURRICANE

Group Activity Sheet

Names _____

Directions:

- Use the pieces in the baggies to complete the chart.
- The pieces must be placed in the correct order of a hurricane’s development.
- After your team comes to an agreement about where each piece belongs on the chart, glue the pieces to your chart.

Wind Speed	Type of Storm	Description

PARTS OF A HURRICANE

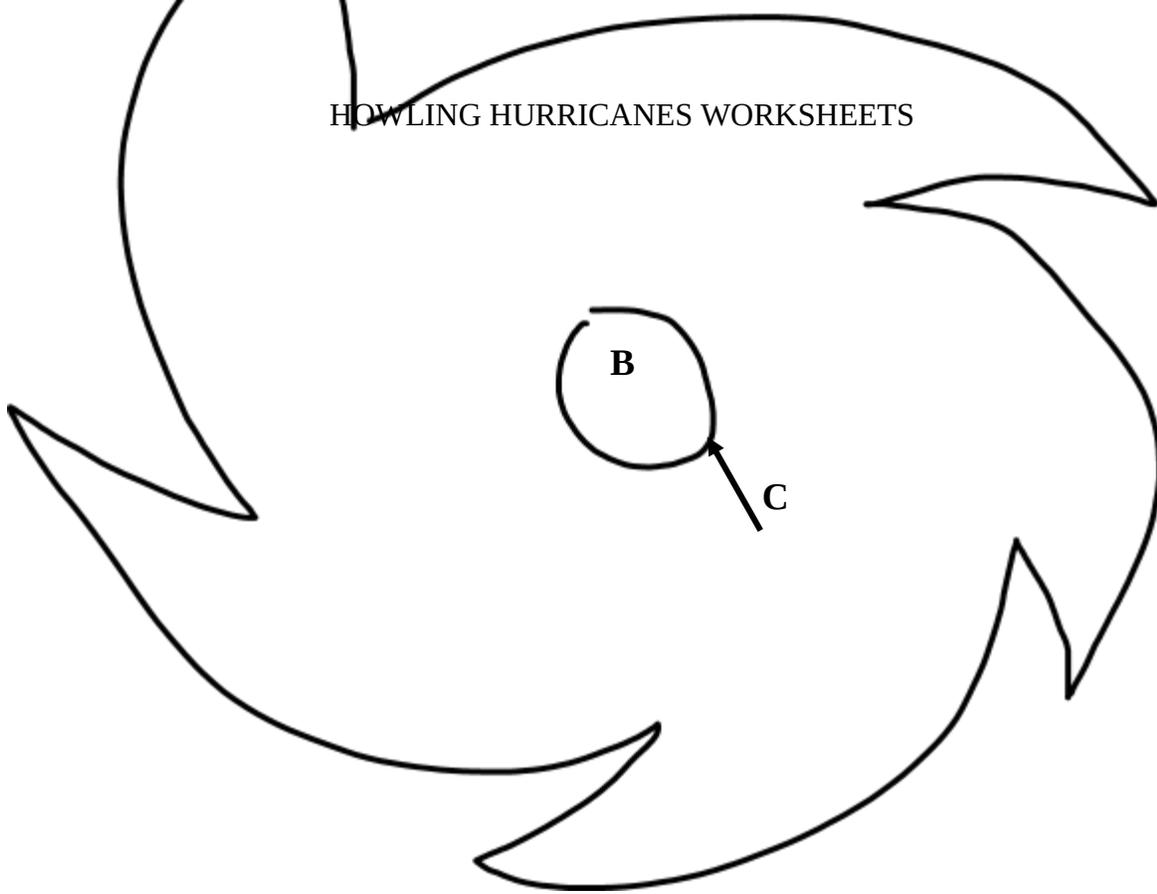
Name _____

Directions:

- Label the parts of a hurricane.

A
←





A _____ (thunderstorms and clouds that spiral)

B _____ (the center; calm area)

C _____ (the strongest part of the storm)

HISTORICAL HURRICANE TRACKS

Directions:

- Go to the website.
- Search by Name/Year
- Click on “View Legend” to see what type of storm each color represents.
- Answer the questions below about your assigned hurricane.

Questions:

1. What is the name and year of your hurricane?

2. What was the greatest strength of this hurricane?

3. Based on its strength, what do you think were the effects of the hurricane?
(Worth 3 pts.)

4. Write two or more observations can you make about this storm's track?
(Worth 2 pts.)

HOW TO PREPARE FOR A HURRICANE

Notes

Book Title _____

Author _____

- _____
- _____
- _____

- _____
- _____
- _____
- _____
- _____
- _____

Hurricane Survival Video Notes

- Step #1 _____
- Step #2 _____
- Step #3 _____
- A hurricane _____ means hurricane conditions are possible in a specific area within the next 48 hours.
- A hurricane _____ means a hurricane is expected to hit a specific area in 36 hours or less.

ASSESSMENT CRITERIA

NOTE: Adjust based on approved grading criteria in your school or district.

Exit Ticket Grading Criteria

√+ - Exceeds Expectations – The definition is complete and includes key words, such as spinning and storm; The definition also includes other names for hurricanes (cyclones and typhoons).

√ - Meets Expectations – The definition is complete and includes key words, such as spinning and storm

X – Below Expectations – The definition is incomplete. It does not include the word storm.

Create-A-Cane

Students will score an 80% (4/5) or higher.

Stages of a Hurricane and Parts of a Hurricane

Students will score a 73% (11/15) or higher.

Historical Hurricane Tracks

Students will score 71% (5/7) or higher.

How to Prepare for a Hurricane Notes Rubric

Grades	Criteria
Excellent	All of the book and video notes are complete and accurate.
Satisfactory	Most of the book and video notes are complete and accurate. The notes are missing a few important details and/or contain 1-2 errors.

Needs Improvement	Some of the book and video notes are complete and accurate. The notes are missing some important details and/or contain 3-4 errors.
Unsatisfactory	The book and video notes are incomplete or inaccurate. The notes are missing several important details and/or contain 5 or more errors.

CRITERIA	4	3	2	1
Content (x4)	All of the required content is complete and accurate :	Most of the required content is complete and accurate. A few key pieces of important information are missing or inaccurate.	Some of the required content is complete and accurate. Several key pieces of important information are missing or inaccurate.	Little of the required content is complete and accurate. Most key pieces of important information are missing or inaccurate.
Format	Each section has an appropriate heading .	Most of the sections have appropriate headings.	Some of the sections have appropriate headings.	Few or no headings were included
Language Skills	There are virtually no errors in grammar, capitalization, spelling, or punctuation that distract the reader.	There are some errors in grammar, capitalization, spelling, or punctuation that distract the reader.	There are several errors in grammar, capitalization, spelling, or punctuation that distract the reader.	There are serious and numerous errors in grammar, capitalization, spelling, or punctuation that distract the reader.
Presentation	All of the graphics are visually attractive and appropriate for the text.	Most of the graphics are visually attractive and appropriate for the text. .	Some of the graphics are appropriate for the text. Other graphics are visually distracting.	Little to no graphics were included. Graphics are not related to the text.
Due Date			The presentation was submitted on or before the due date .	The presentation was submitted after the due date .

Hurricane Presentation Rubric

Possible Points: 30